

## **Precaution related to vessel-operations at Deepsea Nordkapp on NO7322/6-1 S, Shenzhou, PL722**

### **General precautions when drilling intervals with risk of H2S**

As a precaution when drilling intervals with risk of H2S gas, DPO shall notify the vessels at standby to be located upwind from the rig, as H2S will be spread over a large area in the event of ventilation thru derrick vent line.

### **Cargo operations when drilling intervals with risk of H2S**

Before vessels go inside the 500m safety zone, a risk evaluation shall be performed.

The risk evaluation shall consider the following criteria:

- Ongoing drilling operation and risk of gas during the planned cargo operation.
- Cargo operations shall not be executed when:
  - o Circulating H2S
  - o Detection of H2S at the surface/installation.
- Wind direction, wind speed and forecast in the timespan for the cargo operation.
- Possibility to adjust rig heading, to make wind more favorable for the vessel.
- If hose/bulk transfer, consider which side is optimum for the vessel with regards to gas exposure.

The risk evaluation to be performed by DPO in corporation with SSL/OIM. The result of the evaluation to be communicated and discussed with the vessel before entering the 500m zone.

## Monitoring during cargo operations

During cargo operations, DPO will monitor the weather conditions and communicate with the driller in regards to change of operation and risk of H<sub>2</sub>S gas. If any changes to the initial risk evaluation, DPO will notify crane operator and vessel. Together they will evaluate the risk or which risk reduction measures to implement before proceeding.

## Indication of gas at vessel

If indication of gas at a vessel during cargo operations, the vessel shall notify the Deepsea Nordkapp bridge immediately. Ongoing cargo operation to be aborted, vessel to move away from the unit.

## Plume from Gas dispersion Study and distance from the rig (x-axis in meters):

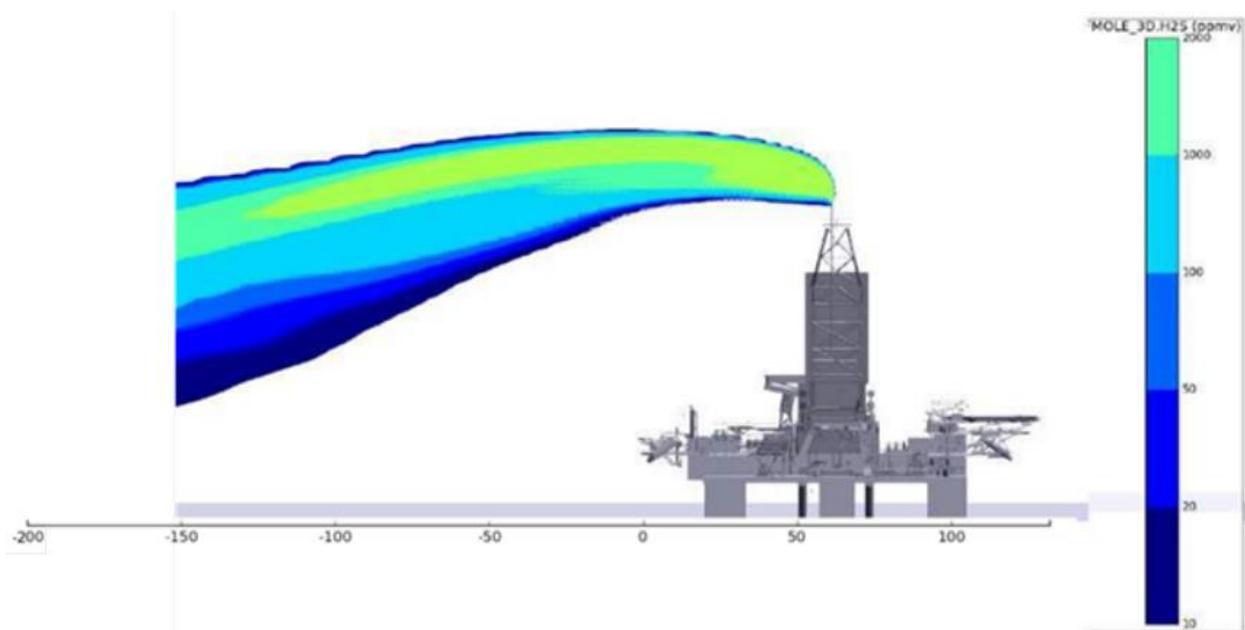


Figure 6-6 – Plume of H<sub>2</sub>S with 5 °C release during 1 m/s